AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

Claim 1-9 (Canceled).

Claim 10 (Currently Amended): A digital transmission method for error-correcting coding, comprising:

coding, including applying a given coding scheme to generate a coded information item having a certain redundancy from a selected information item;

transmitting the coded information item on a channel;

obtaining at least one parameter used in the transmitting;

puncturing the coded information item based on the at least one parameter;

decoding the coded information item after the transmitting to obtain an estimate of the selected information item;

correcting at least one transmission error based on the certain redundancy; and

depuncturing the coded information item based on the at least one parameter.

Claim 11 (Previously Presented): The digital transmission method according to Claim 10, wherein the at least one parameter includes at least one of a bit error rate, a packet error rate, a signal to noise ratio, a signal to interference plus noise ratio, a number of users of a telecommunication system, a quality of service required by the transmission system, or a speed of movement of a user of the transmission system.

Claim 12 (Currently Amended): The digital transmission method according to Claim 10, wherein the coding comprises:

a plurality of elementary coding steps associated in parallel, each of the elementary

coding steps generating an elementary coded information item; and

an adapting step for checking if the puncturing obtains a full puncturing of the

elementary coded information <u>item</u> and for modifying the coding based on the checking.

Claim 13 (Previously Presented): The digital transmission method according to

Claim 11, wherein the coding comprises:

a plurality of elementary coding steps associated in parallel, each of the elementary

coding steps generating an elementary coded information item; and

an adapting step for checking if the puncturing obtains a full puncturing of the

elementary coded information item and for modifying the coding based on the checking.

Claim 14 (Previously Presented): The digital transmission method according to

Claim 12, wherein the elementary coding includes convolutional coding applied to the

selected information item, thereby generating each elementary coded information item.

Claim 15 (Previously Presented): The digital transmission method according to

Claim 14, wherein the convolutional coding is applied to the selected information item and at

least one auxiliary information item, thereby generating a generator polynomial.

Claim 16 (Currently Amended): The digital transmission method according to Claim

15, wherein the at least one auxiliary information item includes at least one of a bit error rate,

a packet error rate, a signal to noise ratio, a signal to interference plus noise ratio, a number

of users of a telecommunication system, a quality of service required by the ~~transmission~~

telecommunication system, or a speed of movement of a user of the ~~transmission~~

telecommunication system.

Claim 17 (Previously Presented): The digital transmission method according to

Claim 13, wherein the elementary coding includes convolutional coding applied to the

selected information item, thereby generating each elementary coded information item.

Claim 18 (Previously Presented): The digital transmission method according to

Claim 17, wherein the convolutional coding is applied to the selected information item and at

least one auxiliary information item, thereby generating a generator polynomial.

Claim 19 (Currently Amended): The digital transmission method according to Claim

18, wherein the at least one auxiliary information item includes at least one of a bit error rate,

a packet error rate, a signal to noise ratio, a signal to interference plus noise ratio, a number

of users of a telecommunication system, a quality of service required by the ~~transmission~~

telecommunication system, or a speed of movement of a user of the ~~transmission~~

telecommunication system.

Claim 20 (Previously Presented): The digital transmission method according to

Claim 12, wherein the coding includes turbo-coding,

the plurality of elementary coding steps are concatenated in parallel and have

interleaving adapting steps, and

the puncturing occurs after a multiplexing step commingling a plurality of elementary

coded information items generated by the plurality of elementary coding steps.

Claim 21 (Previously Presented): The digital transmission method according to Claim 13, wherein the coding includes turbo-coding,

the plurality of elementary coding steps are concatenated in parallel and have interleaving adapting steps, and

the puncturing occurs after a multiplexing step commingling a plurality of elementary coded information items generated by the plurality of elementary coding steps.

Claim 22 (Previously Presented): The digital transmission method according to Claim 20, wherein the coding includes parallel concatenation turbo-coding.

Claim 23 (Previously Presented): The digital transmission method according to Claim 21, wherein the coding includes parallel concatenation turbo-coding.

Claim 24 (Previously Presented): The digital transmission method according to Claim 20, wherein the coding includes parallel concatenation block turbo-coding.

Claim 25 (Previously Presented): The digital transmission method according to Claim 21, wherein the coding includes parallel concatenation block turbo-coding.

Claim 26 (Previously Presented): The digital transmission method according to Claim 12, wherein the decoding includes:

a plurality of elementary decoding steps, respectively corresponding to said plurality of elementary coding steps, and processing each elementary coded information item; and

decoding adapting to remove any of the plurality of elementary decoding steps having a fully punctured elementary coded information item.

Claim 27 (Previously Presented): The digital transmission method according to Claim 13, wherein the decoding includes:

a plurality of elementary decoding steps, respectively corresponding to said plurality of elementary coding steps, and processing each elementary coded information item; and

decoding adapting to remove any of the plurality of elementary decoding steps having a fully punctured elementary coded information item.

Claim 28 (Currently Amended): The digital transmission method according to Claim 12, wherein the decoding includes adapting to remove any fully punctured coded information item.

Claim 29 (Currently Amended): The digital transmission method according to Claim 13, wherein the decoding includes adapting to remove any fully punctured coded information item.